

5 a fixed cellular mobility agent associated with said mobile  
6 switching center, said fixed mobility agent having switching and signaling  
7 capabilities, and

8 wherein said routing table is in said central office, an  
9 incoming call to one of said specific telephone subscribers being routed to said  
10 fixed cellular mobility agent in response to an output of said routing table, and  
11 said look up table, said monitor circuit, and said switch  
12 means are in said fixed cellular mobility agent.

1 4. A system in accordance with claim 3 wherein said central office  
2 and said mobile switching center are provided by the same telephone service  
3 provider.

1 5. A method for enabling a telephone subscriber to switch an on-  
2 going telephone call between wireline services provided through a central office in  
3 the public switched telephone network and cellular services provided by a mobile  
4 switching center in a cellular network, said method comprising the step of:

5 identifying in a routing table in the central office specific  
6 telephone subscribers entitled to switch telephone calls between wireline and  
7 cellular services;

8 providing a correspondence of said specific subscriber's  
9 wireline and cellular telephones;

10 monitoring a signal from one of said specific telephone  
11 subscribers to initiate a call transfer between said subscriber's wireline and cellular  
12 telephones; and

13 enabling a switch to effect the transfer in response to said  
14 monitor circuit.

1           6. The method for enabling a telephone subscriber to switch an on-  
2 going telephone call between wireline services provided through a central office in  
3 the public switched telephone network and cellular services provided by a mobile  
4 switching center in a cellular network in accordance with claim 5 wherein said  
5 correspondence of said specific subscriber's wireline and cellular telephones is  
6 contained in a look-up table in the mobile switching center.

1           7. The method in accordance with claim 6 wherein said enabling  
2 step is performed by said mobile switching center.

1           8. The method for enabling a telephone subscriber to switch an on-  
2 going telephone call between wireline services provided through a central office in  
3 the public switched network and cellular services provided by a mobile switching  
4 center in a cellular network in accordance with claim 5 wherein said  
5 correspondence between said specific subscriber's wireline and cellular telephones  
6 is contained in a look-up table in a fixed cellular mobility agent associated with said  
7 mobile switching center, said monitoring step and said switch enabling step being  
8 performed by said fixed cellular mobility center.

1           9. The method in accordance with claim 7 wherein said central  
2 office and said mobile switching center are provided by the same telephone service  
3 provider.

1           10. A method for enabling a telephone subscriber to switch an on-  
2 going telephone call between wireline services provided through a central office in  
3 the public switched telephone network to a wireline telephone and cellular services  
4 provided by a mobile switching center in a cellular network to a cellular telephone,  
5 said method comprising the steps of:

6 monitoring a call connection to a subscriber entitled to switch  
7 calls between that subscriber's wireline and cellular telephones to detect a request  
8 signal for such a transfer;

9 obtaining the telephone number of that one of said  
10 subscriber's wireline and cellular telephones not presently engaged in the  
11 telephone call;

12 establishing a connection to said one of said subscriber  
13 telephones; and

14 switching the telephone call to said one of said subscriber's  
15 wireline or cellular telephones and terminating the connection to the other of said  
16 subscriber's wireline or cellular telephones.

1 11. The method in accordance with claim 10 wherein said call  
2 connection to said subscriber is through a mobile switching center.

1 12. The method in accordance with claim 11 wherein said  
2 connection to said subscriber is through a fixed cellular mobility agent and said  
3 monitoring step alerts said fixed cellular mobility agent to said request.

1 13. The method in accordance with claim 12 wherein said  
2 establishing, switching, and terminating steps are performed by said fixed cellular  
3 mobility agent.

1 14 A system for enabling a telephone subscriber to switch an on-  
2 going telephone call between wireline services provided through a central office in  
3 the public switched telephone network and cellular services provided by mobile  
4 switching system center in a cellular network, said system comprising:

5 a fixed cellular mobility agent having the functionality of a  
 6 central office and coupled to said mobile switching center, said fixed cellular  
 7 mobility agent including  
 8 means for establishing a connection to one of a subscriber's  
 9 wireline and cellular telephones;  
 10 means for monitoring and detecting a request from said one  
 11 subscriber to transfer the call connection to the other of said subscriber's wireline or  
 12 cellular telephones, and  
 13 means for switching the connection in response to said  
 14 detected request.

1 15. The system in accordance with claim 14 wherein said central  
 2 office and said mobile switching center are provided by the same telephone service  
 3 provider.

1 16. A method for enabling a telephone subscriber to switch an on-  
 2 going telephone call to one of the subscriber's wireline and cellular telephones to  
 3 the other of the subscriber's telephones, said method comprising the steps of  
 4 monitoring the call connection to said one of said  
 5 subscriber's telephones to detect a request by said subscriber to switch between  
 6 said subscriber's telephones,  
 7 obtaining the telephone number of said other of said  
 8 subscriber's telephones,  
 9 initiating an outgoing call from said other of said subscriber's  
 10 telephones,  
 11 establishing a connection to said other of said subscriber's  
 12 telephones, and

13 bridging the connections to said one and said other of said  
14 subscriber's telephones and terminating the connection to said one of said  
15 subscriber's telephones.

1 17. The method in accordance with claim 16 further comprising  
2 alerting a mobile switching center in a cellular network of the  
3 detection of said request by said monitoring step and wherein  
4 said initiating step is effected by said mobile switching  
5 center.

1 18. The method in accordance with claim 17 wherein said  
2 connection to said one telephone of said subscriber is through said mobile  
3 switching center.

1 19. The method in accordance with claim 16 further comprising  
2 alerting a fixed cellular mobility agent of the detection of said request by said  
3 monitoring step and wherein  
4 said initiating step is effected by said fixed cellular mobility  
5 agent.

1 20. The method in accordance with claim 19 wherein said  
2 connection to said one telephone of said subscriber is through said fixed cellular  
3 mobility agent.

1 21. A system for enabling a telephone subscriber to switch an on-  
2 going telephone call between a wireline telephone of said subscriber and a cellular  
3 telephone of said subscriber, said system comprising  
4 a monitor coupled to a connection to one of said subscriber's  
5 telephones for detecting a request to switch the on-going telephone call to the other  
6 of said subscriber's telephones,

- 7 a call initiator, responsive to said monitor, for initiating a call  
8 to said other of said subscriber's telephones,  
9 a switch, responsive to said call initiator, for establishing a  
10 call connection to said other of said subscriber's telephones,  
11 a call bridge for bridging the connections to said one and  
12 said other of said subscriber's telephones, and  
13 a call terminator for terminating the connection to said one of  
14 said subscriber's telephones.